## **CLAIMS**

## We claim:

- 1. A light guide plate for introducing light beams from a light source into a liquid crystal display, comprising:
  - an incident surface for introducing light beams into the light guide plate;
  - an emitting surface for uniformly transmitting light beams out from the light guide plate;
  - a bottom surface opposite to the emitting surface for reflecting the light beams in directions toward the emitting surface; and
  - a color filter disposed on the emitting surface, the color filter comprising a color layer for a full color display.
- 2. The light guide plate of claim 1, wherein the color filter further comprises a black matrix having a lattice pattern.
- 3. The light guide plate of claim 1, wherein the color filter further comprises a light shielding film for shielding ultraviolet wavelength light beams.
- 4. The light guide plate of claim 2, wherein the color layer is formed by a plurality of color filter elements of red (R), green (G), and blue (B) arranged in a predetermined pattern.
- 5. The light guide plate of claim 4, wherein the color filter elements fill spaces defined in the black matrix.

- 6. The light guide plate of claim 4, wherein the color filter elements are arranged in a deltoid pattern, a striped pattern, or a mosaic pattern.
- 7. The light guide plate of claim 1, further comprising a plurality of scattering dots formed on the bottom surface, for reflecting and scattering light beams in directions toward the light emitting surface.

## 8. A surface light source comprising:

a light source;

a light guide plate for transmitting light beams received from the light source, comprising: an incident surface for receiving light beams; an emitting surface for transmitting the light beams; and a bottom surface opposite to the emitting surface for reflecting the light beams in directions toward the emitting surface; and

a color filter disposed on the emitting surface of the light guide plate, the color filter comprising a color layer for a full color display.

- 9. The surface light source of claim 8, wherein the color filter further comprises a black matrix having a lattice pattern.
- 10. The surface light source of claim 8, wherein the color filter further comprises a light shielding film for shielding ultraviolet wavelength light beams.
- 11. The surface light source of claim 9, wherein the color layer is formed by a plurality of color filter elements of red (R), green (G), and blue (B) arranged in a predetermined pattern.

- 12. The surface light source of claim 11, wherein the color filter elements fill spaces defined by the black matrix.
- 13. The surface light source of claim 11, wherein the color filter elements are arranged in a deltoid pattern, a striped pattern, or a mosaic pattern.
- 14. The surface light source of claim 8, wherein the light guide plate further comprises a plurality of scattering dots formed on the bottom surface for reflecting and scattering light beams toward the light emitting surface.
- 15. The surface light source of claim 8, wherein the light source is a cold cathode fluorescent lamp or a light emitting diode.
- 16. A surface light source system comprising:
  - a liquid crystal pane; and
  - a back light source including:
  - a light source; and
  - a light guide plate located beside said light source and defining an incident surface for receiving light beams, an emitting surface for transmitting the light beams; wherein
  - a color filter is disposed between the back light source and the liquid crystal panel.
- 17. The surface light source system of claim 16, wherein said light guide plate further includes a reflection surface for reflecting the light toward the emitting surface.